

## hardware

### Programmable Terminal

The appearance of this firmware-controlled data entry crt reminds you of Star's Dataspeed 40, it's supposed to, and that product will be the principal competition for the 40+ Data Display system. This is ICC's first entry into the communications display market after



considerable success with its other product lines. The same world-wide service network that serviced its modern installation base will be trained to handle the 40+.

The 40+ looks like a winner. It has

some features that the highly regarded Dataspeed 40 doesn't have, and the few dollars more a month required for it appears to be justified. The standard keyboard contains 127 ASCII codes; six cursor controls; eight data editing functions including character, word, and line insert/delete; and a send/receive/local operation mode switch. Up to 1,920 characters can be displayed in 7x11 dot-matrix form across the 5 3/4 x 10 1/2-inch screen, arranged in 24 lines of 80 characters. To help fight glare, the screen can be tilted 10° vertically and 30° horizontally. The controlling microprocessor can be equipped with up to 8K bytes of read-only memory to perform "canned" functions, and random access memory (RAM) is also available for storing up to three full screens of information. The 40+ operates in five modes: 1200 baud synchronous; 2400 baud synchronous; operation compatible with Bell's DDS facility; full and half-duplex; and optionally, with polling capability. The price for the basic unit in small quantities is \$3,850 or \$128/month on a two-year lease, including maintenance. Production shipments will begin early next year. INTERNATIONAL COMMUNICATIONS CORP., Miami, Fla. FOR DATA CIRCLE 375 ON READER CARD

## product spotlight

### Data Capture/Entry

Several years ago, the Stanford Research Institute developed a special ballpoint pen that could be used to input data as it was written. At that time, however, IC technology hadn't progressed to the point where a usable product could be based on it. Xebec now thinks they've come up with three products that might revolutionize the way data capture is performed.

The first product is a minicomputer-based system whereby from 10-25 "pen stations" will perform order entry, or similar functions such as those of a bank teller, with whatever is written simultaneously going into the data processing system. This approach eliminates waiting until the day is over and sending the accumulated materials to the keypunch and verified. This basic system will recognize 16 characters (the numbers 0-9 plus six control codes) with an additional 16 characters offered as an option. The developers think the system will lease for approximately \$125/month per pen

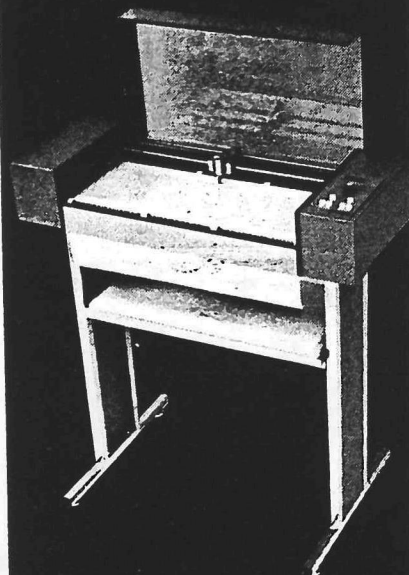


station. This product is called the Alphabec-70.

Downstream somewhat is the second product, a remote data capture system using a microprocessor, with the third product a portable meter reading system somewhere in the future. One strong point of the pen approach is that it doesn't change existing procedures very much, and the original hard document still exists to provide an audit trail. First Alphabec-70 systems go to the field early next year. XEBEC SYSTEMS INC., Sunnyvale, Calif.

FOR DATA CIRCLE 370 ON READER CARD

# COMPUTER PLOTTING



## Model 1653

A high speed, 22 inch recorder designed to operate on-line to scientific and general purpose computers in graphic output applications.

- Plug-to-plug compatibility (hardware and software) with all standard 300 steps/sec. plotters used in the computer field (CALCOMP and COMLOT).
- Z-fold paper (367 ft. long) folding conveniently into notebook size.
- 0.01 inch step (0.25 mm optional) with 300 steps/sec. operation.
- Single step resolution with one step repeatability.
- Pen point exposure for manually setting origin.
- Simple control panel layout with single function switch.
- Integral chromed steel stand with paper storage.

PRICE: \$3,300.00

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